

Bioenergy

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Research: Forest Operations Research - Biomass

The Forest Operations Unit of the Southern Research Station (SRS) has been involved in biomass-related research since the late 1970's. High energy demands have created a need to further develop economically viable ways to harvest woody biomass. The Research Unit has nine primary research topic areas related to biomass: biomass harvesting systems; economic analysis; bundling; individual machines; proto-type machines; energywood chipping systems; environmental considerations; short rotation woody crop production; and drying, storing, transporting & roll splitting.

For more information about this research, visit: <http://www.srs.fs.fed.us/forestops/biomass.htm>

Upcoming Event: 2009 International Biomass Conference & Expo

This conference will take place in Portland, Oregon, April 29-30 and unites current and future producers of biomass-derived power, fuels and chemicals with biomass stakeholders. The event fosters public and private partnerships that help bioenergy producers and large-scale waste generators identify and assess available production resources and viable technology solutions for improving operational efficiencies and reducing industrial greenhouse gas emissions. The program will include more than 90 speakers, including 72 technical presentations on topics ranging from anaerobic digestion and gasification to pyrolysis and combined heat and power.

For more information visit:

<http://www.biomassconference.com>

For more upcoming events visit InterfaceSouth at: <http://www.interfacesouth.org/resources/events.html>

In the News: **Southeast Could Glow With Clean Energy**

The nation's Southeast is not as impoverished in 'green' sources of energy as some people say it is, concludes a new report. It estimates that the region could be a renewable energy powerhouse. Eleven states, spreading from Virginia to Louisiana, could rise over hurdles like low electricity prices that so far have kept the region in the national backwater of alternative power production and energy efficiency, says the Southern Alliance for Clean Energy, a nonprofit group. It estimates that the Southeast could produce enough renewable energy to meet 15 percent of the region's electricity demand in six years. By 2025, one-quarter of the area's power could come from biomass found in its forested landscape, as well as from solar, wind and geothermal sources.

To read the full story, visit: <http://www.eenews.net/climatewire/print/2009/02/13/7>

For additional current news articles on WUI topics, visit InterfaceSouth at: <http://www.interfacesouth.org/inthenews.html>

Literature: **Bioenergy Potentials from Forestry in 2050**

This publication describes a study whose purpose was to evaluate the global energy production potential of woody biomass from forestry for the year 2050 using a bottom-up analysis of key factors. The projection was performed by comparing the future demand with the future supply of wood, based on existing databases, scenarios, and outlook studies. Specific attention was paid to the impact of the underlying factors that determine this potential and to the gaps and uncertainties in our current knowledge. The results of this study indicate that forests can, in theory, become a major source of bioenergy, and that the use of this bioenergy can be realized without endangering the supply of industrial roundwood and woodfuel and without further deforestation.

To read the full article visit: http://www.chem.uu.nl/nws/www/general/personal/smeets_a_files/nieuw/Smeets%20and%20Faaij%202006%20-%20Full%20article.pdf

For more articles on WUI issues visit InterfaceSouth at: <http://www.interfacesouth.org/resources/literature.html>

Website: **IEA Bioenergy**

IEA Bioenergy aims to improve cooperation and information exchange between countries that have national programs in bioenergy research, development, and deployment. The IEA Web site provides a framework for international collaboration in energy technology research and development, demonstration, and information exchange. The work of IEA Bioenergy is carried out t



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through a series of task forces, each having a defined work program in one of the following categories: biomass resources, supply systems, conversion, and end products. Links to each of these task forces can be found on the site. The Web site also provides public access to events, workshops, research, links, and media related to bioenergy.

To view this Web site visit: <http://www.ieabioenergy.com/>

For more Web links about interface issues visit <http://www.interfacesouth.org/resources/websites.html>

Contact Us!

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